B19 --A number of clones were sequenced or partially sequenced. The sequences or partial sequences of those clones are shown in Figures 2 to 8 (SEQ ID NOS: 2, 4, 5, 7, 12, 13 or 15) attached hereto. Explanations of the structure and features of the cloned sequences are given in the Brief description of the Figures above and in other parts of the description.--

Replace the paragraph beginning at page 28, line 14, with the following rewritten paragraph:

B20 --Oligonucleotides with appropriate restriction enzyme sites were designed to permit PCR cloning of an N-terminal fragment of clone 64, as shown in Figure 7 (SEQ ID NO: 16). This fragment, known as 64P (amino acids 34 to 85) from the cDNA, was PCR cloned in-frame into the pET23 vector (Novagen). The construct, 64TRP (encoding amino acids 34 to 85), tagged onto the 6 x His-Tag of the pET23 vector, was obtained using standard PCR cloning methods (Sambrook *et al.*, 1989). The plasmid was transformed into *E. coli* AD494 cells (Sambrook *et al.*, 1989).--

IN THE CLAIMS:

Please amend Claim 1 as follows:

B21 1. (Amended) A tissue cement protein having the amino acid sequence shown in SEQ ID NO. 11 or SEQ ID NO. 16 or containing any one of the partial amino acid sequences shown in any one of SEQ ID NOS. 1, 3, 6, 14 or 17, related tissue cement proteins from blood-feeding parasites, preferably ticks, and functional equivalents thereof.